

## Coal and Ash Handling Plant

## CHAPTER I

## Coal Handling

The question of the economical handling of coal for purposes is undoubtedly of great importance and may be considered two points of view; first, the efficient handling and transporting the colliery to the point at which it is delivered to the consumer; and second, method to be employed by the fuel user for taking delivery of the and storing it or distributing it to his various fuel-utilizing plants, boilers. retorts, gas producers, and other furnaces. It is not proposed to deal with the question of handling fuel the colliery and the point where it is delivered to the subject is outside the scope of the present article, and in what follows is to place before the reader a description various methods and types of apparatus which are used for economically after it has been delivered to the consumer by road. water. In connection with electric power plant, where the size of stations is continually being increased owing to the rapid development power requirements, there is a field in which the question is of paramount importance, as the cost of generation of electrical depends largely on low power-station costs, which in the

cient and reliable coal handling plant are impossible.

stations

The following deals chiefly with plant for use in power

described above, and in which it will be appreciated that, as continuity of supply is the first consideration, it is essential to install plant which is only efficient and economical but which shall be immune periodical from breakdowns and involuntary stoppages. In this connection, therefore, unwise to cut down prices and purchase inferior plant, as losses tained by stoppage and breakdowns rapidly absorb any saving in initial cost.